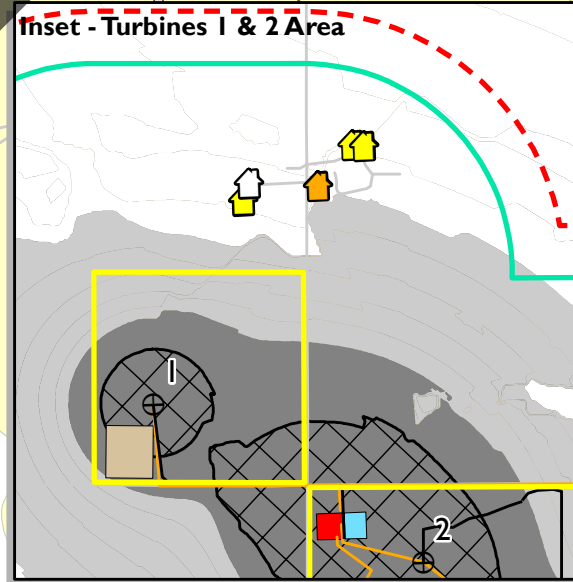
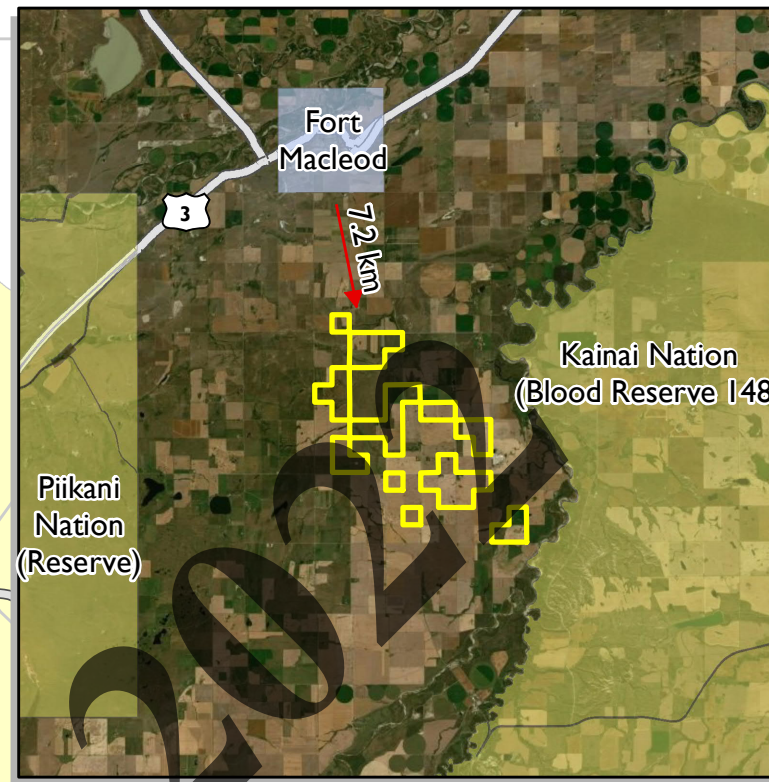
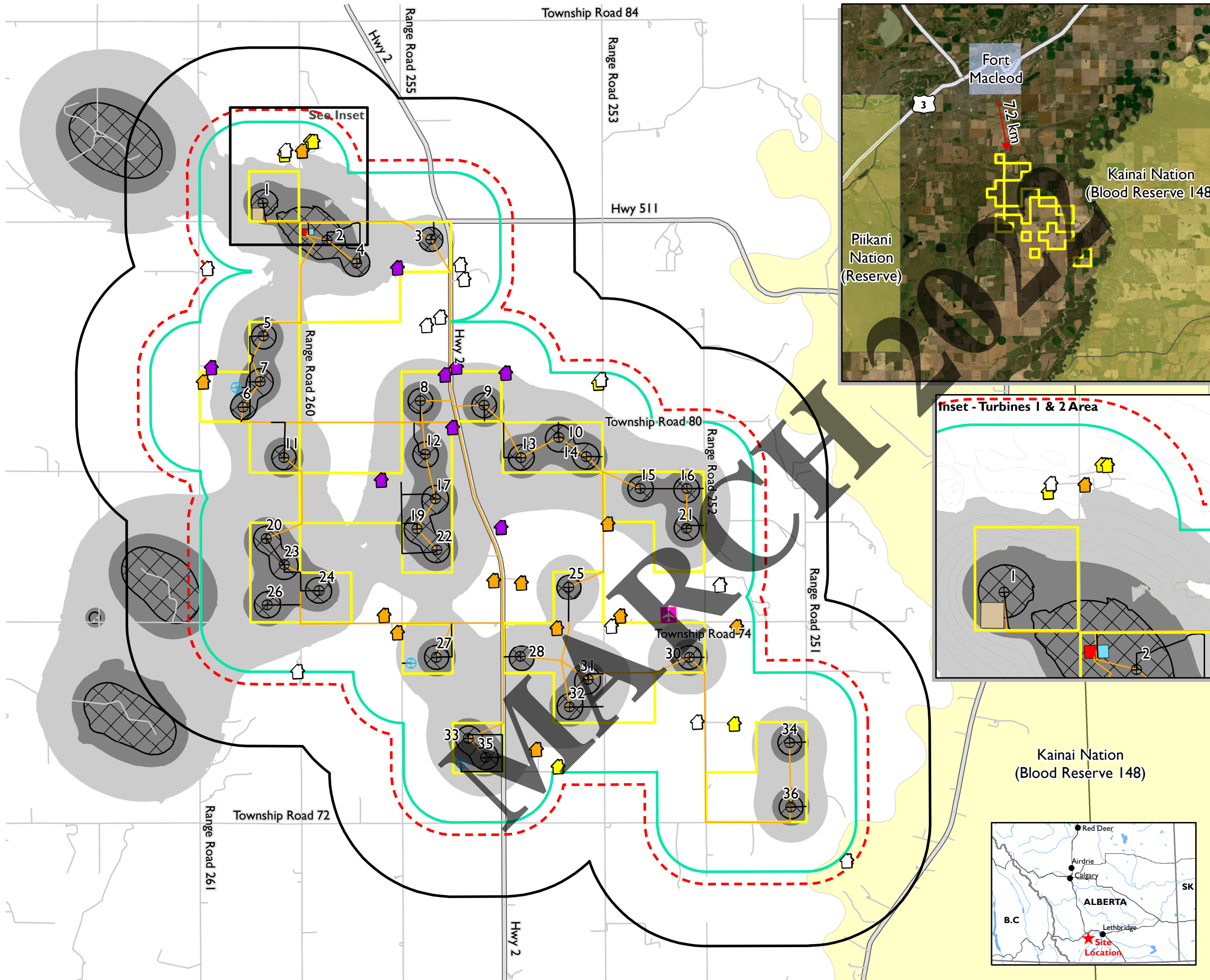


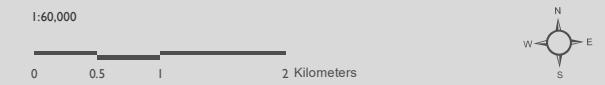
ATTACHMENT 1B - NOISE AND SHADOW FLICKER MODELLING



Kainai Nation
(Blood Reserve 148)



- Cumulative Daytime Sound Levels (Expected Conditions)**
- <= 50 dBA
 - > 50 dBA
- Cumulative Nighttime Sound Levels (Expected Conditions)**
- <= 40 dBA
 - 41 to 45 dBA
 - > 45 dBA
- Cumulative sound levels are predicted to comply with provincial requirements.
- Cumulative Annual Shadow Flicker (Expected Conditions)**
- < 5 Hours
 - < 10 Hours
 - < 30 Hours
 - < 60 Hours
- Project Components**
- Turbines
 - Meteorological Towers
 - Access Roads
 - Collection Lines
 - Project Area
 - Wildlife Study Area (1 km)
 - Consultation Buffer (800m)
 - Notification Buffer (2 km)
 - Operation and Maintenance Building
 - Substation / Battery Energy Storage System
 - Temporary Construction Compound
- Base Elements**
- Aerodrome Facility
 - Municipal Roads
 - Provincial Highway
 - First Nation Reserves
 - Town of Fort Macleod



MAP DRAWING INFORMATION:
 DATA PROVIDED BY:
 ALTALIS, CANVEC, ESRI, GEODISCOVER ALBERTA AND DILLON CONSULTING
 MAP CREATED BY 44PMH
 MAP CHECKED BY BH
 ROTATION: 2°
 MAP PROJECTION: NAD 1983 UTM Zone 12N



PROJECT: 212787
 STATUS: DRAFT
 DATE: 2022-03-01